

TDX™ SP

Built by Invacare...
Designed by You.



Yes, you can.®





Tradition. Innovation. Vision.

For the last two and a half decades, Invacare has been the industry leader in powerchair electronics and bases. Every year, our engineers design chairs, electronics, components and features that consistently raise the bar for power wheelchair performance. Invacare's rich powerchair history started with the original Power Rolls IV in 1981, and continued with innovations such as the original MKI electronics in 1989, and the Storm Series® powerchairs in 1995.

Invacare revolutionized the powerchair industry once again in 2003 with the introduction of the TDX™ (Total Driving eXperience) powerchair. With innovative features such as True Center-Wheel Drive, SureStep®, Stability Lock, Traction Control Design (TCD™) and the latest MK series electronics, this chair set the standard for high end rehab powerchairs.



The Invacare® TDX™ SP Family

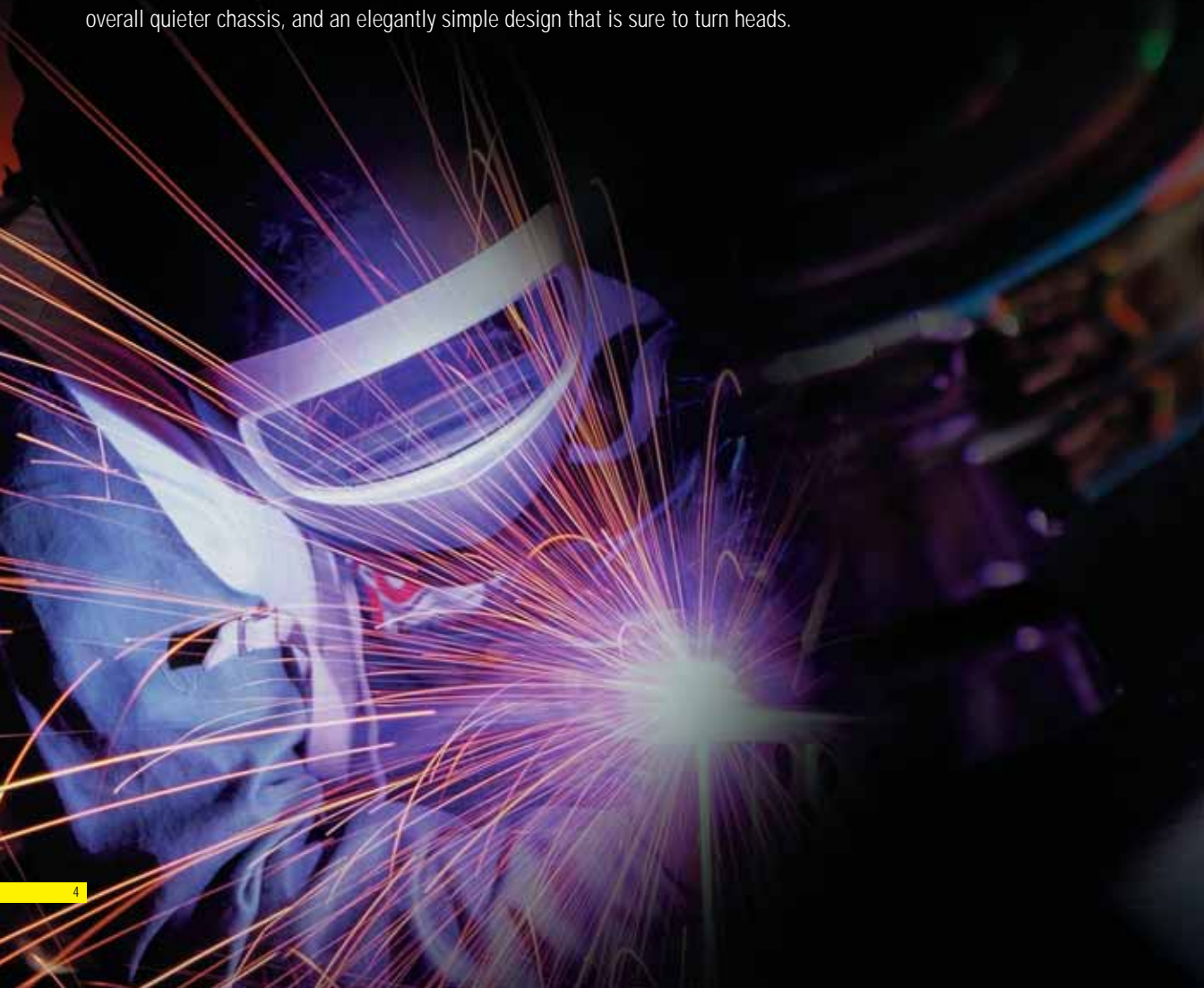


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Things Just Keep Getting Better . . .

Now we've done it again. Invacare built upon a legacy of powerchair knowledge and design to develop the TDX™ SP. The TDX™ SP improves upon all the features of the TDX Series with enhanced performance, superior ride quality, overall quieter chassis, and an elegantly simple design that is sure to turn heads.



TRACTION CONTROL DESIGN. ENHANCED SURESTEP®.

The TDX™ SP uses an enhanced version of Invacare's patented SureStep® technology that was made famous on the first generation TDX and the Pronto® series of wheelchairs. With Enhanced SureStep, the TDX SP climbs up to a three-inch obstacle going forward, similar to the current TDX. As a new design feature, the front casters of the TDX SP will also drop a full three inches, which makes transitioning down an obstacle very gentle and nearly silent. The integrated Traction Control Design also makes climbing over obstacles up to one inch high in reverse nearly effortless.



*SureStep
transition up
an obstacle.*



*SureStep
transition
down an
obstacle.*



*Traction Control
Design reverse
transition.*



FASTER. MORE POWERFUL.

By optimizing the Torque speed curve, our motor/electronics combination provides a 5.8 mph top speed with ample torque. The chair gets consumers where they need to go quickly, while also providing the power required to handle those tough obstacles.



TRUE CENTER-WHEEL DRIVE.

The tightest possible turning radius comes from a True Center-Wheel Drive chassis. The TDX™ SP uses this type of wheelbase to provide excellent maneuverability and an intuitive driving experience. This technology combined with Enhanced SureStep®, Traction Control Design and Quiet Stability Lock makes the TDX SP a great indoor and outdoor chair.

QUIET STABILITY LOCK. THE DIFFERENCE MAKER IN REHAB.

The original TDX introduced a feature that kept the powerchair stable whenever it felt that the driver's weight was rocking forward. The TDX SP takes that same feature to the next level. This second generation

Stability Lock replaces the metal gear set used on the first generation TDX with a gas locking cylinder, making the feature whisper quiet. It also provides a shock-absorbing effect.



Quiet Stability Lock.

TRANSPORT READY OPTIONS.*

The TDX SP offers a transport ready option (TRRO) that includes four tie-down locations, a battery securement system and a wheelchair-anchored pelvic belt. The TDX SP with TRRO configuration has been crash tested in accordance with the ANSI/RESNA Vol. 1 Section 19.5.3 Frontal Impact Test (W/C19).**

The TDX SP also offers the TRBKTS option. Unlike the TRRO configuration, the TDX SP with TRBKTS option

does not have a pelvic belt and it has not been crash tested in accordance with W/C19 or any other standard.

These options reinforce Invacare's market leadership in transport-ready wheelchairs for consumers.

*As of this date, the U.S. Department of Transportation has not approved any tie-down system for transportation of a user while in a wheelchair in a moving vehicle of any type. Accordingly, Invacare recommends that wheelchair users not be transported in vehicles of any kind while in wheelchairs and should be transferred for transportation into appropriate seating in vehicles and use the restraints made available by the auto industry.

**Please refer to the TDX sell sheet for the required ANSI/RESNA WC/19 sec. 6.2 Presale Literature Notification.



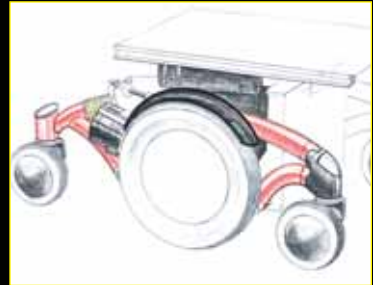
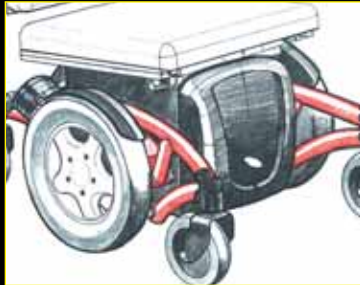
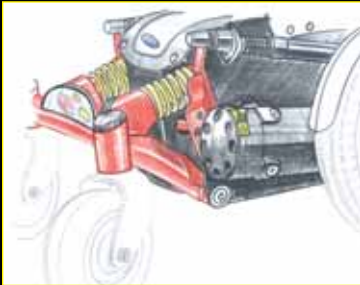
Front transport bracket.



Rear transport bracket.

ELEGANT SIMPLICITY. INSPIRING DESIGN.

Our designers started with sketches and drove the design so that aesthetics were never sacrificed for functionality.



The end result is an elegant design with a focus on simplicity and detail.





SPJ™ + BASIC JOYSTICK



MPJ™ + REHAB JOYSTICK

ELECTRONICS. DESIGNED WITH BENEFITS FOR ALL.

MK Series electronics are the benchmark in power wheelchair drive systems. This is the result of years of experience in the design and manufacture of electronics specifically for the needs of wheelchair consumer.

MK6i™ electronics take the MK Series to the next level by offering features that are easier to use than any other MK Series system. Advantages of MK6i include:

- MK5™ programming logic, so operators do not need to learn a new system
- Reduced set-up and programming time with the memory card feature
- Improved simplicity with universal connectors
- Better information for programmers and technicians



Pediatric Seat



Adjustable Rehab Seat



Elevating Rehab Seat



Van Seat



Formula™ CG Tilt



Formula™ CG Recline



Formula™ CG Tilt/Recline

SEATING OPTIONS. VERSATILITY.

The TDX™ SP offers a wide variety of seating options that make it an extremely versatile powerchair. The standard TDX SP offers a choice of an adjustable Rehab (ASBA) seat that is grow-able in width and depth. The ASBA seat starts in widths as low as 12" wide for smaller applications, and can grow as wide as 24" and as deep as 22". Another seating option on the TDX SP is a semi recline captain's seat. Available in 16", 18", 20" and 22" widths, the seat offers plush padding, generous contours, and a reclining back providing maximum comfort.

The TDX SP also offers the Formula_{CG} Powered Seating System which features up to 7" of weight shift tilt.

The Formula_{CG}:

- Starting seat-to-floor height is as low as 17.5"
- Up to 55° of tilt
- Up to 170° of recline
- Up to 7" of elevation
- All powered seating functions can be operated either through or separate from the driver control.

TDX SP SPECIFICATIONS

| | Adj. ASBA Rehab Seat | Formula _{CG} Powered Seating | Elevating Seat | Van Seat |
|------------------------------------|------------------------------|---------------------------------------|------------------------------|------------------------------------|
| Overall dimensions | | | | |
| Base Length (w/o front riggings) | 35.25" | 35.25" | 35.25" | 35.25" |
| ⁿ¹ Base Width | 24"/25.5" | 24"/25.5" | 24" | 24"/25.5" |
| Height | 35.5" - 39.5" | 36.5" - 40.5" | 35.5" - 41.5" | 38" w/o headrest 45" w/headrest |
| Seat Dimensions | | | | |
| Width | 12" - 24" | ⁿ² 12" - 24" | 12" - 24" | 16" - 22" |
| Depth | 12" - 22" | 12" - 22" | 12" - 22" | 16" - 20" |
| Back Height | 12" - 24" | 16" - 26" | 16" - 24" | 18" |
| with Headrest | - | - | - | 25" |
| Back Angle | 85° - 105° | 85° - 105° | 85° - 105° | 85° - 115° |
| Seat-to-Floor Height | | | | |
| Low | 16.5" @ 0° | 17.5" @ 0° | 16.75" @ 0° | 19" |
| Medium | 18.5" @ 0° | 18.5" @ 0° | - | - |
| Tall | 20.5" @ 0° | 19.5" @ 0° | - | - |
| Seat-to-Floor Height at 5° | add 0.5" to each | add 1" to each | 17.6" @ 5° | - |
| Weight | | | | |
| with batteries | 264 lb. | ⁿ³ 315 lb. | 285 lb. | 277 lb. |
| without batteries | 166 lb. | 217 lb. | 187 lb. | 179 lb. |
| Battery Options | 22NF/Group 24 | 22NF/Group 24/(3)22NF | 22NF | 22NF/Group 24 |
| Wheel and caster size | | | | |
| Front/rear casters | 6" x 2" | 6" x 2" | 6" x 2" | 6" x 2" |
| Drive wheels | 14" x 3" | 14" x 3" | 14" x 3" | 14" x 3" |
| Maximum Speed | 5.8 mph / 5 mph (heavy duty) | 5.8 mph / 5 mph (heavy duty) | 5.8 mph / 5 mph (heavy duty) | 5.8 mph / 5 mph (heavy duty) |
| Incline Capability | 9° | 9° | 9° | 9° |
| Weight Capacity | 300 lb. / 400 lb. (option) | 300 lb. / 400 lb. (option) | 300 lb. | 300 lb. / 400 lb. (option) |
| Turning radius | | | | |
| (Including Center Mount Footboard) | 22" | 22" | 22" | 22" |
| Ground clearance | 3" | 3" | 3" | 3" |
| Standard MK6i Electronics | MK690/SPJ™+ | MK690/ACC/SPJ+ or MPJ+ | MK690/ACC/SPJ™+ w/PSS | MK690/SPJ™+ |
| Limited warranties- | | | | |
| Base Frame | 60 months | 60 months | 60 months | 60 months |
| Seat Frame | 36 months | 36 months | 36 months | 36 months |
| Electronics | 12 months | 12 months | 12 months | 12 months |
| Motor/gearbox | 12 months | 12 months | 12 months | 12 months |

n1 24" width with (2) 22 NF batteries.

25.5" width with (2) Group 24 batteries or (3) 22 NF batteries.

n2 12" - 16" width available with Tilt only system, Recline and Tilt/Recline sizes range from 16" - 24" wide.

n3 315 lb. for Tilt only system. 325 lb. Recline only and 370 lb. for Tilt/Recline.



Yes, you can.[®]

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